



REEL # 120

FROM: EDELMAN, S. L.

...commutes with each element of  $G$ . A group  $G$  is said to satisfy the  $\delta$ -condition provided for every two subgroups  $H$

EDEL'MAN, S. L.

USSR/Mathematics - Group Theory

Jul/Aug 53

"Existence and Conjointness of Subgroups in a Finite Group," S. A. Chumikhin, Tomsk

Mat Sbor, Vol 33 (75), No 1, pp 111-132

Weakens the conditions in the Silov-type theorems. Demonstrates two theorems on the sufficient and necessary criteria for the existence of subgroups and a theorem on the maximum subgroups of P-soluble groups. Cites related work of O. Ore ("Theory of Groups of Finite Order," Duke Math J. 5 (1939)). Cites the Soviet works of P. A. Gol'berg (1949), S. L. Edel'man (1951), and B. V. Kazachkov (1952), Presented 22 Aug 52.

281T84

ACC NR: AP6026331

(A)

SOURCE CODE: UR/0128/66/000/004/0036/0041

AUTHORS: Edol'man, V. I.; Konetspol'skiy, Ya. K.

ORG: none

TITLE: Determining the reliability indices of high-use electrical components of automatic control systems

SOURCE: Standarty i kachestvo, no. 4, 1966, 36-41

TOPIC TAGS: reliability, probability, normal distribution, microelectronic component, electric motor, least square method

ABSTRACT: A method of testing the reliability of highly used electrical components with a limited life is examined. The method is based on the testing of a small sampling of specimens until failure. The size of the sampling is determined from the minimum probability of trouble-free operation under definite conditions ( $P_m$ ), the confidence coefficient ( $P^*$ ), and the acceptance number of failures ( $C$ ). To obtain a more accurate failure distribution curve, the tests are performed in stages. Each stage includes various external mechanical and climatic effects. Cases of exponential and normal distributions are examined; the method requires a comparatively small sampling for testing. The probability of trouble-free operation is obtained as a function of the percent reserve. The authors thank Ya. B. Shor for advice. Orig. art. has: 3 graphs, 2 tables, and 11 formulas.

SUB CODE: 09, 14 SUBM DATE: none ORIG REF: 004

Card 1/1

44228

S/056/62/043/006/017/067

B102/B104

24.7000

AUTHORS: Khaykin, M. S., Mina, R. T., Edel'man, V. S.

TITLE: Cyclotron resonance and quantum oscillations of the surface impedance of bismuth

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 6(12), 1962, 2063-2073

TEXT: Disc-shaped Bi single crystals of 18 mm diameter and 1.5 mm thick were used to measure simultaneously the cyclotron resonance and the quantum oscillations of the surface impedance at  $9.5 \cdot 10^9$  cps and at  $4.2^\circ \text{K}$ . The measurements were made by the method of frequency modulation (PFE, 3, 95, 1961): the logarithmic derivative of the surface reactance was measured as a function of the inverse magnetic field strength applied to the sample parallel to its surface. Of two of the samples this surface agreed with the basal plane ( $\perp C_3$ ) and for the two others the axes  $C_3$  and  $C_2$  lay in the surface plane. The cyclotron resonance was measured in order to determine the effective masses  $\mu = m^*/m_0 = e/m_0 c \omega_A H^{-1}$  of the

Card 1/3

S/056/62/043/006/017/067

Cyclotron resonance and quantum oscillations...B102/B104

carriers and to explain the characteristics of the effective mass anisotropy;  $\Delta_1 H^{-1}$  is the period of cyclotron resonances measured in the plane of the sample with rotating field. The characteristics of the electron and hole Fermi surfaces. The main result of the investigations was the determination of the extremal cross section areas  $S$  of the Fermi surface perpendicular to  $\vec{H}$ . They were calculated from the quantum

oscillation periods  $\Delta H^{-1}$ :  $S = eh/c\Delta H^{-1}$ . At angles equal to or less than  $30^\circ$  between  $\vec{H}$  and  $C_2$  the effective electron mass was proportional to  $S$ .

The end-point energy of the Bi electrons was calculated:

$E_0 = S/2\pi\mu m_e = (2.5 \pm 0.1) \cdot 10^{-14}$  erg, a value, that corresponds to an effective temperature of  $181 \pm 7^\circ K$ ; the corresponding electron velocity is  $v_0 = \sqrt{2E_0/\mu m_e} = (7.7 \pm 0.2) \cdot 10^7$  cm/sec. Some more details on the Fermi surface are discussed. There are 6 figures.

Card 2/3

Cyclotron resonance and quantum oscillations..S/056/62/043/006/017/067  
B102/B104

ASSOCIATION: Institut fizicheskikh problem Akademiya nauk SSSR  
(Institute of Physical-Problems of the Academy of Sciences  
USSR)

SUBMITTED: July 20, 1962

Card 3/3



L 13850-63 EWT(1)/EWG(k)/EWP(q)/EWT(m)/BDS/EEC(b)-2 AFFTC/ASD/ESD-3  
 PI-4/PO-4/PZ-4 JD/AT/JG/IJP(C)  
 ACCESSION NR: AP3003160 S/0056/63/044/006/2190/2193

AUTHOR: Khaykin, M. S.; Edel'man, V. S.; Mina, R. T.

TITLE: Standing magnetoplasma waves in bismuth single crystals

SOURCE: Zhurnal eksper. i teor. fiziki, v. 44, no. 6, 1963, 2190-2193

TOPIC TAGS: microwave plasma waves, magnetoplasma waves, single-crystal bismuth, standing waves

ABSTRACT: Some results are presented of a detailed investigation of microwave magnetoplasma waves (defined as damped waves propagated under the condition that the Larmor radius is smaller than the wavelength in the metal and that the Larmor frequency is higher than the wave frequency which in turn is much higher than the collision frequency) in plane-parallel single crystals of bismuth, carried out at frequencies of 9.5 and 25 Gc at 1.8°K in a magnetic field of 0.5 -- 10 kilooersted. The surface impedance was measured by the frequency modulation method and by the power transmission coefficient method for high oscillation amplitudes. Two types of oscillations are investigated: those occurring when the magnetic field is nearly parallel to the surface of the specimen and those for arbitrary angle between the field and the surface. The

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L 13850-63

ACCESSION NR: AP3003160

properties of the two types of waves are discussed. The transparency of the single crystal of bismuth to magnetoplasma waves is demonstrated by the fact that if one sample of the crystal is placed to the outer surface of another sample which serves as the wall of a cavity, the form of the observed oscillations changes significantly. "The authors are grateful to P. L. Kapitsa for his interest and cooperation in this work, to L. A. Fal'kovskiy for fruitful discussions of the results, and to G. S. Cherny'shev and V. A. Yudin for technical assistance." Orig. art. has: 2 figures and 3 formulas.

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR; Fizicheskiy institut GKAE Yerevan (Institute for Physics Problems, Acad. Sci. SSSR; Physics Inst. GKAE, Yerevan)

SUBMITTED: 09Apr63

DATE ACQ: 23Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 006

OTHER: 010

Card 2/2

EDEL'MAN, V.S.; KHAYKIN, M.S.

Standing magnetic plasma waves in bismuth related to hybrid  
resonance. Zhur. eksp. i teor. fiz. 45 no.3:826-828 S '63.  
(MIRA 16:10)

1. Institut fizicheskikh problem AN SSSR.  
(Magnetohydrodynamics)  
(Plasma (Ionized gases))

KHAYKIN, M.S.; FAL'KOVSKIY, L.A.; EDEL'MAN, V.S.; MINA, R.T.

Properties of magnetic plasma waves in bismuth single crystals.  
Zhur. eksp. i teor. fiz. 45 no.6:1704-1716 D '63. (MIRA 17:2)

1. Institut fizicheskikh problem AN SSSR i Fizicheskiy institut  
Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii  
SSSR, Yerevan.

L 2082-65 EWT(1)/EWG(k)/EPA(sp)-2/EPA(w)-2/EEC(t)/EEC(b)-2/EWA(m)-2 Pz-6/  
 Pab-24 IJP(c)/AFWL/SSD/ASM(p)-2/ESD(t)/RAE(t) AT  
 ACCESSION NR: AP4046402 S/0056/64/047/003/0878/0885

AUTHORS: Khaykin, M. S.; Edel'man, V. S.

TITLE: Measurement of bismuth conduction electron momenta and observation of their reflection by the surface

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 3, 1964, 878-885

TOPIC TAGS: bismuth, single crystal, conduction electron, surface impedance, cyclotron resonance, surface property

ABSTRACT: The momentum of the conduction electrons in single crystals of bismuth approximately 0.2 mm thick was measured by the cyclotron resonance cutoff method and found to be  $(5.4 \pm 0.15) \times 10^{-22}$  g-cm/sec in the direction of the binary axis. The investigations were made by a frequency modulation method (M. S. Khaykin, PTE, No. 3, 95, 1961) at frequencies between 9.75 and 8.75 Gc. The prepara-

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L 2082-65

ACCESSION NR: AP4046402

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tion of the sample was described by the authors in ZhETF v. 43, 2063, 1962. The crystals were placed in strip resonators (single strips for plane-parallel samples and double strip for samples with wedge-like part) and kept at 1.7--1.5K during the experiment. An additional peak of the surface impedance of bismuth was observed at a field smaller than the cutoff field ( $\sim 3$  Oe), and is attributed to cyclotron resonance of the electrons experiencing specular reflection from the surface of the sample. A characteristic feature of this peak is that it moves in a direction opposite to that of the cyclotron resonances when the frequency of the electromagnetic field is decreased. Such a behavior can be explained if it is assumed that this peak is connected with cyclotron resonance on the electrons experiencing specular reflection from one of the surfaces of the sample. Several experiments are described, the results of which agree with this explanation. "The authors thank P. L. Kapitsa for interest and attention to the work, R. T. Mina and L. A. Fal'kovskiy for a discussion, and G. S. Cherny\*shev and V. A. Yudin for

Card 2/3

L 2082-65

ACCESSION NR: AP4046402

technical help." Orig. art. has: 6 figures, 5 formulas, and 1 table.

ASSOCIATION: Institut fizicheskikh problem Akademii (nauk SSSR  
(Institute of Physics Problems, Academy of Sciences SSSR)

SUBMITTED: 17Apr64

ENCL: 00

SUB CODE: SS,NP

NR REF SOV: 007

OTHER: 003

Card 3/3

L 1567-66 EWT(1)/EWT(m)/EPF(c)/T/EMP(t)/EMP(b)/EWA(c) IJP(c) TD/WW/GG  
 ACCESSION NR: AP5019222 UR/0056/65/049/001/0107/0115

AUTHOR: <sup>44.55</sup>Edel'man, V. S.; <sup>44.55</sup>Khaykin, M. S. <sup>44.55</sup>

TITLE: Investigation of the Fermi surface in bismuth by means of cyclotron resonance <sup>44.55, 21</sup>

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 1, 1965, 107-116

TOPIC TAGS: bismuth, cyclotron resonance, electron spectrum, excitation energy

ABSTRACT: The article contains the results of a detailed investigation of cyclotron resonance in bismuth, which made it possible to determine more accurately than in earlier work the quantitative structure of the energy spectrum of the carriers in bismuth, to detect the deviations from the spectrum from the quadratic form, and to indicate possible deviations of the shape of the Fermi surface from ellipsoidal. The measurements were made by a frequency modulation method described elsewhere (PTE no. 3, 95, 1961) in the frequency range 8.7--9.8 Gcs. The single-crystal bismuth samples were either those studied by the authors previously in other experiments, or had been prepared by the same technique from bismuth with higher initial purity. The sample temperatures were 1.5--1.7K. The exact values of the carrier masses and the anisotropy of the effective masses were determined in the

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L 1567-66

ACCESSION NR: AP5019222

24  
principal crystallographic directions. It is shown that the energy spectrum of the electrons is nonquadratic, and the nature of the deviations of the Fermi surface from an ellipsoidal shape is determined. The effect of the polarization of the high-frequency field, the direction of the field, and the orientation of the sample surface on the excitation of the cyclotron resonance of the carriers in the central section and at the limiting points was also investigated, the main technical innovation being the use of transverse modulation of the magnetic field applied to the sample (the modulation field was not parallel to the dc field). "The authors thank P. L. Kapitsa for active interest in the work, P. T. Mina, Ye. P. Vol'skiy and L. A. Fal'kovskiy for discussions of the results, V. N. Vigdorovich for providing the high-purity bismuth, and G. S. Chernyshev and V. A. Yudin for technical assistance." Orig. art. has: 6 figures, 3 formulas, and 1 table. 44,55

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR (Institute of Physics Problems, Academy of Sciences, SSSR) 44,55

SUBMITTED: 18Feb65

ENCL: 00

SUB CODE: 88

NR REF SOV: 012

OTHER: 010

Card 2/2

L 25695-66 EWT(1)/EWT(m)/ETC(f)/EPF(n)-2/ENG(m)/I/ENP(t) IJP(c) AT/JD

ACC NR: AF6002706

SOURCE CODE: UR/0056/65/049/006/1695/1705

AUTHOR: Khaykin, M. S.; Edel'man, V. S. 104  
97

ORG: Institute of Physics Problems, Academy of Sciences SSSR (Institut fizicheskikh problem Akademii nauk SSSR)

TITLE: Landau damping and resonance damping of magnetoplasma waves in bismuth 27

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 6, 1965, 1695-1705

TOPIC TAGS: magnetic field, plasma wave, cyclotron resonance, plasma resonance, Doppler shift, bismuth, single crystal, Doppler effect, magnetoactive plasma

ABSTRACT: Measurements were made of the magnetic fields which define the region of strong damping of magnetic plasma waves as a result of cyclotron resonance of carriers shifted by the Doppler effect. In the experiments the authors investigated the Doppler shift of the cyclotron resonance of the electrons and holes in a magnetic field and the position of the limit of the range of the fields in which magnetoplasma waves experienced Landau damping. In both cases, the experiments involved observation of the damping of two magnetoplasma wave modes propagated in a bismuth single crystal, in a magnetic field lying in the basal plane of the crystal. The measurements of the cyclotron resonance shift made it possible to determine the Fermi velocities of the electrons along the directions close to the binary axis and the corresponding velocities of holes in the basal plane, and to obtain a more accurate value of the effective mass of the holes at a special point in the Fermi surface of the basal plane. The

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L 25695-66

ACC NR: AP6002705

measurements were made at approximately 9.4 Gc, using two single-crystal discs of bismuth 1.00 and 0.1047 mm thick. The excitation of the plasma waves was observed by measuring the flow of power through a transmission strip resonator enclosing the sample. The experiments were made in a field up to 10 kOe, at a temperature 1.5K. The Fermi velocity of the holes in the basal plane was found to be  $(2.35 \pm 0.1) \times 10^7$  cm/sec, and that of the holes was  $(11.3 \pm 0.5) \times 10^7$  cm/sec along a binary axis. The effective mass of the holes at the limiting point in the Fermi surface in the basal plane was  $(0.220 \pm 0.002)m_0$ . The results are compared with the Fermi-surface parameters obtained from other investigations. Authors are grateful to P. L. Kapitza for interest in the work, R. T. Mina and L. A. Fal'kovskiy for discussing the results, and to G. S. Chernyshev and V. A. Yudin for technical assistance. Orig. art. has: 7 figures and 6 formulas.

SUB CODE: 20/ SUBM DATE: 16Jun65/ ORIG REF: 007/ OTH REF: 005

Card 2/2

ACC NR: AP6037066

SOURCE CODE: UR/0056/66/051/005/1363/1368

AUTHOR: Mina, R. T.; Edel'man, V. S.; Khaykin, M. S. .

ORG: Institute of Physics Problems, Academy of Sciences, SSSR (Institut fizicheskikh problem Akademii nauk SSSR); Yerevan Physics Institute (Yerevanskiy fizicheskii institut)

TITLE: Cyclotron resonance of carriers in aluminum

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 51, no. 5, 1966, 1363-1368

TOPIC TAGS: aluminum, cyclotron resonance, current carrier, carrier scattering, crystal surface, surface property, magnetoresistance

ABSTRACT: To obtain more accurate data on the anisotropy of the effective masses of the carriers than afforded by the various orthogonalized plane-wave models, the authors investigated the carrier velocity by a cyclotron resonance procedure, determining the cyclotron resonance of the electrons and holes in the (010) plane of aluminum at frequencies 9.45 and 18.7 GHz. The single-crystal aluminum investigated was the same as was studied by Ye. P. Vol'skiy (ZhETF v. 46, 123, 1964). The cyclotron resonance measurements were made by the method of frequency modulation in a magnetic field up to 10 kOe at a sample temperature 1.5K. Cooling of the sample from 4.2 to 1.5K more than doubled the cyclotron resonance amplitude. The values of the effective masses were determined from plots of the logarithmic derivative of the re-

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ACC NR: AP6037066

active part of the surface impedance of aluminum as a function of the reciprocal magnetic field. The effective lattice potential was estimated from the anisotropy of the hole masses of the central cross section and found to be  $V_{002} = 0.068\epsilon_F$  ( $\epsilon_F$  - Fermi limiting energy). The results have also made it possible to explain the origin of a number of cyclotron resonances on non-central extremal section of the hole surface. These cyclotron resonances are not directly derivable in the model of one orthogonalized plane wave. The authors thank P. L. Kapitsa for interest and attention to the work and G. S. Chernyshev and V. A. Yudin for technical help. Orig. art. has: 4 figures, 4 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 24Jun66/ ORIG REF: 006/ OTH REF: 007

Card 2/2

EDDEL'MAN, Ya.A.

Oil well drilling using air to clean out the well bottom. Neft.khoz.  
34 no.5:67-71 My '56. (MLBA 9:8)  
(Oil well drilling)

EDEL'MAN, Ya.A.; KARASIK, G.Ye.

New tools for core drilling. Azerb. neft. khoz. 39 no.1:18-19  
Ja '60. (MIRA 14:8)  
(Core drilling)

LETUNOVSKIY, G.A.; EDEL'MAN, Ya.A.

New core bits and drill bits. Neft. i gaz. prom. no.2:21-24  
Ap-Je '62. (MIRA 15:6)

1. Trest "Khar'kovneftegazrazvedka" (for Letunovskiy).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut burovoy tekhniki (for Edel'man).  
(Kharkov Province--Oil well drilling--Equipment and supplies)



EDEL'MAN, Ya.A.

New tool for core recovery. Trudy VNIIBT no.6:73-80 '62.

(MIRA 16:6)

(Core drilling--Equipment and supplies)

EDEL'MAN, Ya.A.; ZIL'BERMAN, A.B.

Some investigations of turbodrills. Trudy VNIIB' no.14:156-164  
'65. (MIRA 18:5)

**EDEL'MAN, Ya.L.**

Simple construction of lateroscope. Probl. tuberk., Moskva No.6:71  
Nov-Dec 51. (GIML 21:4)

1. Of Rostov-on-the-Don Oblast Tuberculosis Dispensary (Head Physician  
G.I. Kamusher).

EDEL'MAN, Ya. L.

KUSHNYR', A.P.; EDEL'MAN, Ya.L.

Case of peripheral pulmonary cancer associated with cavernous  
pulmonary tuberculosis. Vest. rent. i rad. no.4:75-76 J1-Ag '54.  
(MIRA 7:10)

1. Iz Rostovskogo-na Donu oblastnogo protivotuberkuleznogo  
dispansera (glavnyy vrach G.A.Kamusher) i 2-y tuberkuleznoy  
bol'nitsy (glavnyy vrach M.D.Kondakova)  
(TUBERCULOSIS, PULMONARY, complications,  
cancer, x-ray)  
(LUNGS, neoplasms,  
compl., tuberc., pulm.)

EDEL'MAN, Z. I.

"Some Problems in Etiology and Pathogenesis of Rheumatism," *Pediatriya*, No.4, 1948.

Rheumatic Children's Clinic, Pediatric Inst., Min. of Pub. Health RSFSR, based at the Clinical Children's Hospital, Moscow

EDULMAN, L.I.

2/6. Normal Standards in Electrocardiograms in  
Children of Pre-school and School Age. (Hippokratias  
anastrophikariorpanna y arina pompanoro n nino-  
anoro sospeta)  
Z. I. EDULMAN. Pemanpas [Pediatrics] No. 6, 48-57.

bstracts of World Medicine Vol 7 1950

EDEL'MAN, Z. I.

USSR/Medicine - Therapeutic Agents

Jul/Aug 51

"Attempts at the Treatment of Rheumatic Fever With the Aid of New Remedies," Z. I. Edel'man, Rheumatism Clinic, Gen Sci Res Pediatric Inst, Min Pub Health USSR, and Clinical Children's Hosp

"Pediatrya" No 4, 1951, pp 52-57

PA 192779

The results of clinical tests were as follows:  
gamma-globulin -- beneficial (increases immunity);  
antihistaminic dimedrol (benadryl) -- ineffective;  
krizanol (oil suspension of An-Ca salt of organic

192779

USSR/Medicine - Therapeutic Agents

(Contd)

Jul/Aug 51

thioampd -- synthesized in USSR in 1938 and used as remedy for tuberculosis) -- harmful; tipher /spasmolytic -- cf. OO-W-182987 -- beneficial, especially when abdominal syndrome is present.

192779

EDEL'MAN, Z.I., starshiy nauchnyy sotrudnik

Pericarditis in rheumatism in children. Pediatrics no.5:16-22 8-0 '54.  
(MIRA 7:12)

1. Iz revmaticheskoy kliniki Instituta pediatrii (dir. kandidat  
meditsinskikh nauk V.N.Karachevtseva) Ministerstva zdoravookhraneniya  
RSFSR i Klinicheskoy detskoy bol'nitsy (glavnyy vrach saslushennyy  
vrach RSFSR Ye.V.Prokhorovich)

(RHEUMATIC HEART DISEASE, in infant and child,  
pericarditis)



SAVVATIMSKAYA, Nadezhda Petrovna; EDEL'MAN, Zinaida Il'ichna

[Rheumatic fever in children and its control; brief handbook for practicing physicians] Revmatizm u detey i organizatsiya bor'by s nim; kratkoe rukovodstvo dlia prakticheskikh vrachey. Moskva, Medgiz, 1956. 161 p. (MIRA 9:11)  
(RHEUMATIC FEVER)

EDELMAN Z. I.

EXCERPTA MEDICA Sec.18 Vol.1/5 Cardiovascular May 57

1360. EDELMAN Z. I. Clin. for Juvenile Rheum., RSFSR Ped. Inst., Childr. Clin. Hosp., Moscow *Present methods of treatment of rheumatism in children (Russian text)* *Pediatrija* 1956, 2 (3-8)

Results of treatment with phenylbutazone ('butadione') (I) and hormonal preparations are described. Contra-indications to I are disease of the blood-forming organs, with possible leucopenia and anaemia, and also disease of the liver or kidneys. In children aged 5-7 yr. the initial dose of I was 0.05 g. 3 times daily, from 8-12 yr. 0.05 g. 4 times daily, and in children over 12, 0.1 g. 3 times daily. The full dose was given from 12 to 42 days. No complications, other than a rash, were found. Sixty-four patients with rheumatism, mainly in the 5 to 7 yr. group, were given I treatment; most of them had carditis. In 59 of these 64 children the course of the disease was uneventful, including some patients with severe endomyocarditis, and in only 5 children did the disease progress and run a fluctuating course. Some children with severe rheumatism could tolerate I better than pyramidon. Among hormonal preparations used in the treatment of rheumatism were cortisone and ACTH. Observations were made on 34 patients with acute rheumatism treated with cortisone and on 14 treated with ACTH. All these patients received a high potassium low

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CONT.

sodium diet. The dose of cortisone was 100 mg. daily in the form of 2 injections, and continued for 10 to 14 days, after which the dose was gradually reduced. The course usually lasted 30 to 40 days. The dose of ACTH was 40-50 U. daily, also in the form of 2 injections, with gradual reduction of the dose. Cortisone was the most effective treatment — no patient on it developed severe disease of a progressive nature. A large proportion of the children quickly improved their general condition, and their temperature and ESR fell; in patients without cardiac lesions or with evidence of endomyocarditis there was no development of valvular disease. Disadvantages of cortisone are the development of obesity, enlargement of the liver and oedema; however, after a change of preparation these phenomena may rapidly disappear. After such a change or a reduction in the dose of cortisone the disease may sometimes flare up again in which case it is necessary to start the drug again or increase the dose.

Kvasnaya — Leningrad

EDEL'MAN, Z.I., RABINOVICH, A.L., zaslyzhennyy vrach RSFSR.

Affection of the lungs in rheumatic fever in children. Vop.okh.mat.  
i det. 3 no.3:9-15 J1-Ag '58 (MIRA 11:8)

1. Iz kliniki detskogo revmatizma Pediatricheskogo instituta RSFSR  
(dir. - kandidat med.nauk V.N. Karachevtseva) i Detskoy gorodskoy klini-  
cheskoy bol'nitsy No.1 (glavnyy vrach - zaslyzhennyy vrach RSFSR  
Ye.V. Prokhorovich).  
(RHEUMATIC FEVER)  
(LUNGS--DISEASES)

EDEL'MAN, Z.I., kand.med.nauk

~~Rheumatic fever in children and organization control.~~ Med.sestra  
17 no.12:3-8 D'58 (MIRA 11:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy pediatricheskiy  
institut RSFSR, Moskva.  
(RHEUMATIC FEVER)

MOEL'MAN, Z.I.

Clinical manifestations of the current course of rheumatic fever  
in children [with summary in English]. *Pediatrics* 36 no.12:7-13  
D '58. (MIRA 12:1)

1. Iz kliniki detskogo revmatizma Pediatricheskogo instituta Mi-  
nisterstva zdavookhraneniya RSFSR (ispolnyayushchiy obyazannosti  
dir. A.P. Chernikova) i Klinicheskoy detskoy bol'nitsy No.1 (glav-  
nyy vrach RSFSR Ye. V. Prokhorovich).  
(RHEUMATISM, in inf. & child  
clin. picture (Rus))

EDEL'MAN, Z.I.

Aleksandr Andreevich Kisel'; recollections of his work at a pediatric  
rheumatic fever clinic. Vop.okh.mat. 1 det. 4 no.4:9-12 JI-Ag '59.  
(MIRA 12:12)

(KISEL', ALEKSANDR ANDREEVICH, 1859-1938)

KVIATKOVSKAYA, A.N., prof.; EDEL'MAN, Z.I.

Cortisone dosage in treating rheumatic fever in children on the  
basis of clinical and biochemical studies. *Pediatrics* 37 no.8:  
56-63 Ag '59. (MIRA 13:1)

1. Iz kliniki detskogo revmatizma *Pediatricheskogo instituta Minister-*  
*stva zdavookhraneniya RSFSR* (direktor - kand.med.nauk A.P. Cherni-  
kov).

(RHEUMATIC FEVER, therapy)  
(CORTISONE, pharmacology)



KISEL', Aleksandr Andreyevich, prof., zasl.deyatel' nauki [deceased]; KISEL', V.A., sostavitel'-red.; BELIAYEVA, Ye.D., red.; BUBHOVA, M.M., red.; VLASOVA, A.N., red.; GANYUSHINA, Ye.Kh., red.; GROMBAKH, S.M., red.; KONYUS, B.M., red.; KUDRYAVTSEVA, A.I., red.; MAYZEL', I.Ye., red.; MARKUZON, V.D., red.; MOSHKOVSKIY, Sh.D., red.; PELEVINA, M.P., red.; POKHITONOVA, M.P., red.; SAVVATIMSKAYA, N.P., red.; FRIDMAN, R.A., red.; SHIRVINDT, B.O., red.; EDDEL'MAN, Z.I., red.; GAVERLAND, M.I., tekhn.red.

[Selected works. Jubilee edition on the 100th anniversary of his birth, 1859-1959] Izbrannye trudy. Iubileinoe izdanie k 100-letiiu so dnia rozhdeniia, 1859-1959 gg. Moskva, Gos.izd-vo med.lit-ry, 1960. 427 p. (MIRA 13:10)

(PEDIATRICS)

EDEL'MAN, Z.I.

Clinical diagnosis of stenosis of the atrioventricular opening in  
rheumatic fever in children. Vop. okh. mat. 1 det. 5 no. 6:3-8 M-D  
'60. (MIRA 13:12)

1. Iz kliniki detskogo revmatizma (direktor - doktor med. nauk A.P.  
Chernikova) Pediatricheskogo instituta Ministerstva zdavookhraneniya  
RSFSR i Klinicheskoy detskoy bol'nitsy (glavnyy vrach - ~~z~~sluzhennyy  
vrach RSFSR Ye.V. Prokhorovich).  
(MITRAL VALVE--DISEASES) (RHEUMATIC FEVER)

SOKOLOVA-PONOMAREVA, O.D.; RYSEVA, Ye.S.; EDEL'MAN, Z.I.

Advanced training for rheumatic fever specialists working in pediatric institutions. Vop. okh. mat. i det. 6 no.5:72-76 My '61.

(MIRA 14:10)

1. Iz Instituta pediatrii AMN SSSR (direktor - deystvitel'nyy chlen AMN SSSR prof. O.D.Sokolova-Ponomareva) i Nauchno-issledovatel'skogo instituta pediatrii RSFSR (direktor - doktor med.nauk A.P.Chernikova) na baze 1-y Detskoy klinicheskoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach RSFSR Ye.V. Prokhorovich).

(RHEUMATIC FEVER)

(PEDIATRICS--STUDY AND TEACHING)

EDEL'MAN, Z.I.; SEVVATIMSKAYA, N.P., red.; BALDINA, N.F., tekhn.  
red.

[Rheumatism in children; its clinical aspects, diagnosis and  
treatment] Revmatizm u detei; klinika, diagnostika i lechenie.  
Moskva, Medgiz, 1962. 214 p. (MLRA 15:9)  
(RHEUMATIC FEVER)

EDEL'MAN, Z.I.; LEYTES, B.G.

First All-Russian Conference on Research and Practice of Pediatrics and Teachers on the Sanatorium and Health Resort Treatment of Children. Vop.okh.mat.i det. 7 no.8:87-89 Ag '62.

(MIRA 15:9)

(THERAPEUTICS, PHYSIOLOGICAL—CONGRESSES) (CHILDREN—DISEASES)

EDEL'MAN, Z. I.

Problems in the prevention of recurrent and progressive rheumatism  
in children. *Pediatrics* 41 no.3:8-14 '62. (MIRA 15:2)

1. Iz Instituta pediatrii Ministerstva zdavookhraneniya RSFSR  
(dir. V. P. Spirina) i 1-y klinicheskoy detskoy bol'nitsy  
(glavnyy vrach - zasluzhennyy vrach RSFSR Ye. V. Prokhorovich)

(RHEUMATIC FEVER)

EDEL'MAN. Z.I.

Some problems important for the control of rheumatic fever.  
Vop.okh.mat. i det. 8. no.2:7-11 F'63. (MIRA 16:7)  
(RHEUMATIC FEVER)

STAROSHEL'TSEVA, L.K.; OZERETSKOVSKAYA, N.Ye.; EDEL'MAN, Z.I.  
ANANENKO, A.A.; GERSHKOVICH, V.I.

Changes in the immunological properties of blood proteins in  
rheumatic diseases in children. Vop. med. Khim. 9 no. 3:  
239-244 My-Je '63. (MIRA 17:9)

1. Institut biologicheskoy i meditsinskoy khimii MGU SSSR i  
Institut pediatrii Ministerstva zdravookhraneniya RSFSR. Moskva.



PAYER, A.; EDELMANN, J.

Resistance of pipe insulation in the medium of cathodic protection. Prace Ust paliv vol. 7:165-196 '64.

EDELMANN, J.

Control of the quality of tube asphalt insulations. Paliva  
44 no. 7:207-211 J1 '64.

1. Institute of Fuel Research, Bechovice.

EDEL'NAR, M., obshchestvennyy inspektor (Kuybyshev)

Public inspector relates. Prof.-tekh.obr. 22 no.4:12-13 Ap '65.  
(MIRA 18:5)

RIEL'SBURG, F., inshener.

Standardization in repair work. Avt.transp. 32 no.3:33 Nr '54.  
(Automobiles--Repairing) (MIRA 7:8)

EDELMANN, J.

Asphalt insulation of pipelines and some problems arising from the quality of such insulation. Paliva 42 no.12:355-358 D '62.

1. Ustav pro vyzkumn paliv, Bechovice.

BERENSHTEYN, F.Ya.; MDL'SHTEYN, A.I. (Vitebsk)

Hyperglycemia and hypertensive effects of adrenalin following administration in various parts of circulation. Probl.endok. i gorm. 1 no.6:72-76 M-D '55. (MIRA 12:8)

1. Iz kafedry biokhimii i laboratorii patofiziologii Vitebskogo veterinarnogo instituta.

(EPINEPHRINE, effects, :

hyperglycemic & hypertensive, eff. of site of admin.)

(BLOOD SUGAR, effect of drugs on, epinephrine, eff. of site of admin.)

(BLOOD PRESSURE, effect of drugs on, epinephrine, eff. of site of admin.)

EDDEL'SHTEYN, A. S.

USSR/Electricity - Current Regulators Jan 53

"Precision Solenoid Electric Current Regulator,"  
O. G. Katsnel'son and A. S. Edel'shteyn, Moscow

Elektrichestvo, No 1, pp 48-50

Describes new type ac current regulator (Certificate of Authorship No 73483, 19 Dec 1947) consisting of solenoid with moving steel plunger operating in conjunction with auxiliary ferromagnetic circuit. Current is stabilized with accuracy to  $\pm 0.02\%$  for network voltage variations

253719

of  $\pm 10\%$ . Regulator is useful for precise research work such as photometry of incandescent lamp light flux. Submitted 2 Jun 52.

(EEA 56 no. 670:4065 '53)

253719

KATSNEL'SON, O.G., kandidat tekhnicheskikh nauk; EDEL'SHTEYN, A.S.

Electric inductance flow meters. Khim.nauka i prom. 1 no.3:332-336  
'56. (Flowmeters) (MLRA 9:9)



20(4).

SOV/64-59-3-18/24

AUTHORS:

Katsnel'son, O. G., Candidate of Technical Sciences,  
Edel'shteyn, A. S.

TITLE:

Automatic Analytic Scales (Avtomaticheskiye analiticheskiye  
vesy)

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 3, pp 76-82 (USSR)

ABSTRACT:

A survey of automatic analytic scales is given, with schematic representations of the scales and their description. Appliances designed by Shevnar (Fig 1)(Ref 1) and Feuer (Fig 2) (Ref 2) are described for scales not fully balanced with an incomplete registration of the deviation of an index or scale beam from the balance. In addition to appliances with an automatic balance by means of a mechanical equipment, Swen Odin's scale (Fig 3)(Ref 3), Müller's and Garman's scales (Fig 4)(Ref 4) and Lohman's scales (Fig 5)(Ref 5) are described. A weight definition by balancing the scales by means of electromagnetic power is reached in appliances designed by Oden and Keen (Fig 6)(Ref 8), Gregg and Wintle (Figs 7, 8) (Ref 9), Clarc (Figs 9, 10)(Ref 10) and in the scales designed in the USSR by the GIAP (Fig 11)(Ref 11), as well as in

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Automatic Analytic Scales

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construction according to (similar to the latter) scales designed by Mauer (Fig 12)(Ref 12). The working principle of midget scales also belong to the group mentioned last, as well as the scales designed by Brockdorff and Kirsch (Fig 13)(Ref 13) and Gast (Fig 14)(Ref 14). Finally the possibilities for applying the described automatic scales are given. There are 14 figures and 14 references, 2 of which are Soviet.

Card 2/2

EDMISTLYN, A. V.

25517

Za Luchshuyu Proizvodstva i Mobuyu Tekhologiyu (Kartogr. Proizvodstvo). Sbornik  
Nauch. - Tekn. i Proizvor Statey Po Geodezii, Kartografii, Topografii, Aeros"yemke  
i Gravimetrii, VYP 23, 1949, s. 10 -15

SO: LETOPIS No. 34

*EDEL'SHTEYN, A.V.*

EDEL'SHTEYN, A.V.

Fulfillment of the 1951 plan for the cartographic industry. Sobr.  
st.po kart.no.2:3-7 '52. (MIRA 10:12)

(Cartography)

EDEL'SHTEYN, A.V.

Kak sozdaetsia karta (How a map is created). Moskva,  
Geodezizdat, 1953. 63 p.

SO: Monthly List of Russian Accessions, Vol. 7. No. 5, August 1954

BASHLAVINA, G.N.; EDDEL'SHTEYN, A.V., redaktor; SHAMAROVA, T.A., redaktor;  
SHLENSKIY, I.A., ~~territicheskii~~ redaktor

[Peculiarities of compiling wall maps for school geography courses]  
Osobennosti sostavleniya stennykh obshchegoograficheskikh shkol'-  
nykh kart. Moskva, Izd-vo geodezicheskoi lit-ry, 1954. 116 p.  
(Cartography) (MLRA 7:10)

EDEL'SHTEYN, A. V.

BARANOV, A.N., laureat Stalinskoy premii, redaktor; LYSYUK, V.N., redaktor; SHUROV, S.I., redaktor; AVSYUK, G.A., doktor geograficheskikh nauk, redaktor; VITVER, I.A., professor, doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; VOLKOV, N.M., professor, doktor geograficheskikh nauk, redaktor; GERASIMOV, I.P., akademik, redaktor; ZARUTSKAYA, I.P., dotsent, laureat Stalinskoy premii, redaktor; ZENKOVICH, V.P., professor, doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; ISAKOV, I.S., professor, admiral flota v otstavke, laureat Stalinskoy premii, redaktor; KUDRYAVTSEV, M.K., general-leytenant tekhnicheskikh voisk, redaktor; LARIN, D.A., redaktor; MARUSOV, L.Ya., inzhener-podpolkovnik, redaktor; MURZAYEV, E.M., doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; PAVLOV, V.V., inzhener-polkovnik, laureat Stalinskoy premii; SADCHIKOV, S.P., redaktor; SALISHCHEV, K.A., professor, doktor tekhnicheskikh nauk, redaktor; FILIPPOV, Yu.V., professor, doktor tekhnicheskikh nauk, redaktor; ~~EDEL'SHTEYN, A.V.~~, redaktor; GUNBINA, T.N., redaktor.

[World atlas] Atlas mira. Moskva, 1954. 283 p.

(MIRA 7:9)

1. General'nyy gosudarstvennyy direktor topograficheskoy sluzhby (for Baranov)
2. Direktor topograficheskoy sluzhby (for Shurov)
3. Gosudarstvennyy direktor topograficheskoy sluzhby II ranga (for Lysyuk)
4. Direktor topograficheskoy sluzhby I ranga (for Gunbina, Larin, Sadchikov)
5. Direktor topograficheskoy sluzhby (for Edel'shteyn, Filippov)
6. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodesii i kartografi.

(Atlases)

EDEL'SHTEYN, A.V.; SPIRIDONOVA, Ye.N.

New procedures and work processes. Sbor.st.po kart. no.6:5-15  
'54. (MLRA 10:9)

(Cartography)



RODL'SHTYN, Aleksandr Vladimirovich; SHAMAROVA, T.A., redaktor; KUZ'MIN,  
G.M., tekhnicheskii redaktor.

[Preparing printed forms for map publication] Izgotovlenie pa-  
chatnykh form dlia isdaniia kart. Moskva, Izd-vo geodesicheskoi  
lit-ry, 1955. 270 p. (MLRA 9:5)  
(Map printing)

GARAYEVSKAYA, L.S.; EDEL'SHTEYN, A.V., redaktor; SHAMANOVA, T.A.,  
redaktor; ROMANOVA, V.V.; tekhnicheskiiy redaktor.

[Cartography] Kartografiia. Izd. 2-e, ispr. i dop. Moskva,  
Izd-vo geodesicheskoi lit-ry, 1955. 411 p. (MLRA 8:11)  
(Cartography)

GUREVICH, Isaak Vul'fovich; ~~PODOL'SKIY~~, A.V., redaktor; KOMAR'KOVA, L.M.,  
redaktor izdatel'stva; KUZ'MIN, G.M., tekhnicheskoy redaktor

[Experience in preparing of the World Atlas for publication] Iz opyta  
izdaniya atlasa mira. Moskva, Izd-vo geodezicheskoy lit-ry, 1956.  
79 p. (MLRA 10:1)  
(Cartography)

AUTHOR: Edel'shteyn, A. V. SOV/6-58-8-12/15

TITLE: Some Problems Connected With the Reduction of Prime Costs for the Editorial Work of Compilation and Finish (Nekotoryye voprosy snisheniya sebestoimosti redaktsionnosostavitel'skikh i oformitel'skikh rabot)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 8, pp. 61-67 (USSR)

ABSTRACT: The reasons for the high costs of producing atlases and maps are investigated. High prime costs are due to the high costs of editorial work and the work of compilation and finish. The latter, however, are due to the fact that, on the one hand, each publication is dealt with individually and without the possibility of making use of an original for the simultaneous production of several works, and, on the other, to the fact that nearly in every case too high demands are made with respect to details. It is pointed out in the present paper that only by the reduction of these latter costs would it be possible to reduce also prime costs, but that such a reduction can be brought about only by the utilization of one original for several objects, by a strict standardization of production, and by an improved technology. There are 3 tables.

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Some Problems Connected With the Reduction of Prime  
Costs for the Editorial Work of Compilation and  
Finish

SOV/6-58-8-12/15

1. Maps--Production
2. Maps--Costs

Card 2/2

3(4)

AUTHOR:

Edel'shteyn, A. V.

SOV/6-58-11-9/15

TITLE:

~~On Rationalization Work in the NRKCh~~ (O ratsionalizatorskoy rabote v NRKCh)

PERIODICAL:

Geodeziya i kartografiya, 1958, Nr 11, pp 58-63 (USSR)

ABSTRACT:

Rationalization work in the Nauchno-redaktsionnaya karto-sostavitel'skaya chast' (Department of Scientific Editing of Map Compilation) is concentrated on three main problems: 1) Development of the most economical methods of map and atlas compilation, drawing and editing. 2) The introduction of new and more economical methods. 3) The introduction of proposals made by workers and engineers into production work. A number of examples of such methods and proposals is given. The following persons are mentioned as being the authors of such suggestions: L. P. Chetverikova, Yu. N. Galitskiy, N. M. Terekhov, V. I. Il'yenko, R. V. Mandrygin, A. I. Semenov, and S. N. Soldatov. Examples are given for a simplification of drawing work. The following measures of rationalizing editing work are mentioned: 1) method of producing photoplates of any format (developed in the TsNIIGAIK). 2) Triplicate sets for reproducing the basic features of a map. 3) The production of

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On Rationalization Work in the NRKCh

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negatives and positives without silver. 4) Method due to I. V. Gurevich for the production of lantern slides of the basic features of maps. 5) Improving the quality of illustrations. 6) Conversion to the production of pale duplicates by photo-mechanical means. 7) New recipes for better solutions and preparations. 8) Suggestions by the mechanics and electricians: K. I. Mironov, A. A. Petrovich, and B. A. Yegorov. There are 2 Soviet references.

Card 2/2

3(2)

AUTHOR:

Edel'shteyn, A. V.

SOV/6-59-4-14/20

TITLE:

Results of Work of the NRKCh in 1958 (Ob itogakh raboty NRKCh v 1958 godu)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 4, pp 49-53 (USSR)

ABSTRACT:

Among the fundamental cartographic publications which were prepared in 1958 the following are to be mentioned: The Political World Atlas; it will be published in 1959; the work for it was carried out by N. I. Blinova, Chief Editor of the Atlas, and by A. N. Ignatenko, A. G. Kolesnikova, S. K. Lebedeva, N. A. Perfil'yeva, Ye. M. Shuran et al, editors of individual maps. The China Atlas: the work is conducted by V. S. Apenchenko, Chief Editor; the atlas consists of general-geographical, physical-geographical, economic, and historical maps; the inhabited parts of the country are represented on a scale of 1 : 3,000,000; the atlas is to be published in 1960; Ye. E. Pentson took part in the work as lady editor of the general-geographical maps of this atlas. The Atlas of the USSR, containing general-geographical, physical-geographical and economic maps, the former being on a scale of 1 : 2,000,000; the work for the general-geographical maps was carried out by: S. N. Teplovaya, Chief Editor; V. V. Yashina, L. A. Polyanskaya, L. N. Mesyatseva et al, Editors.

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Results of Work of the NRKCh in 1958

SOV/6-59-4-14/20

Farming Atlas of the USSR: Chief Editor S. N. Soldatov; the atlas will be published in 1960. Historical Atlas of Geographical Discoveries and Explorations: the work is conducted by K. B. Martova, Chief Editor; collaborators are: Ye. P. Kuchborskaya, M. A. Fedosova, Z. Kh. Fil'gus, E. A. Shmuylovich et al. The second edition of the Geographical Atlas for High-school Teachers is prepared under the direction of A. I. Semenov, Chief Editor (Ref 1). The Geographical Atlas of the USSR for the 7th class was published in 1958 (V. A. Safronova, Chief Editor), and similar atlases for the 8th and 9th classes are prepared under the direction of V. G. Brugger and M. M. Mekler, Chief Editors. The work on new historical atlases for schools is conducted by T. M. Bekova, Chief Lady Editor. 23 handy maps of individual countries were published in 1958. The work on them was carried out by: T. M. Pavlova, Chief Editor, V. V. Salmanova, Chief Editor, S. I. Sergeyeva, M. A. Ivanova, and N. A. Lobsova. There were issued 32 geographical and historical school maps from among which L. N. Kolaga, Editor, worked on the map of the USA; I. A. Balashova, Editor - on the map of Germany, and G. P. Fedorovskaya, Editor - on the map of Latin America. The young editors G. P. Venevtseva, G. S. Teper-

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Results of Work of the NRKCh in 1958

SOV/6-59-4-14/20

kina and V. V. Maslennikova are working on the poster map on the "Forward Program" of the Lenin Komsomol. The lady editors L. M. Voronina and Ye. I. Rozhdestvenskaya worked on the 3rd volume of the "Morskoy atlas". The work on the maps for the small Soviet Encyclopedia was done by: M. D. Sukhodrev, Chief Editor, the editors Yu. M. Ivanova, V. D. Kholodok et al. A map of hunting periods in the area of the RSFSR (Lady Editor G. N. Malyutina) was compiled. Besides, the following people deserve being mentioned in 1958: the cartographers B. Ya. Murzich, Ye. M. Shermakov, Ye. K. Arestova, Z. N. Aleksandrova, A. F. Sachkov, K. S. Klyagina, S. A. Volodin, K. P. Beregova, V. I. Tarakanova, V. V. Klimova, M. V. Guseva, L. F. Nusova, V. I. Yegorova, N. N. Runtso and M. V. Bashmakova; the photographer V. P. Stepanov, the retouchers A. Ya. Barinova and A. V. Zubritskaya, the engraver A. Z. Gritsakova, the Chief of Department K. S. Medvedeva, the Communist Party Organizer Ye. A. Shishkin; further B. Ya. Murzich, Chairman of the Tsekhkom, D. I. Smirnov, I. V. Gurevich, Ya. L. Bratslavskiy, V. M. Varzugin, and the printer V. K. Kirillov. There is 1 Soviet reference.

Card 3/3

3 (2)

AUTHOR:

Edel'shteyn, A. V.

SOV/6-59-5-15/26

TITLE:

On Engraving on "viniproz" (O gravirovanii na viniproze)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 5, pp 40-42 (USSR)

ABSTRACT:

The drawing of maps by way of engraving on viniproz is constantly gaining ground, this procedure being applied in establishments that produce maps on a large scale. This technique saves much time and money, and an increase in output is achieved (as compared with the drawing of the originals with Chinese ink on Whatman paper). In the Nauchno-redaktsionnaya kartosostavitel'skaya chast' (NRKCh) (Scientific-editorial Department for the Compilation of Maps) the first experiments were carried out, in 1955, with maps on a small scale. Up to 1958 samples were used to test the engraving instruments and engraving layers developed at the NRKCh. In 1958 a concrete task was set: the folding map of Afghanistan on a scale of 1 : 2000000 was to be produced by means of engraving. At present this map is at the publishers. The special instruments and the white engraving layer were developed at the TsNIIGAIK. The engraving layer was produced at the NRKCh and was applied to viniproz at the TsNIIGAIK,

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On Engraving on "viniproz"

SOV/6-59-5-15/26

with the participation of collaborators of the experimental laboratory of the NRKCh. The results were satisfactory, funds could be saved; at the same time, however, essential shortcomings occurred: uneven composition of the paste, the layer thickness required for a proper engraving cannot be obtained, the engraving layer dries too quickly while work is in progress and becomes brittle, the application technique for the engraving layer is incomplete. Some recommendations concerning an improvement of the procedure are presented in the paper under consideration.

Card 2/2

AUTHOR: Edel'shteyn, A. V.

S/006/60/000/03/017/019  
B007/B123

TITLE: On the Book "Istoriya razvitiya kartoizdaniya v Rossii i SSSR"  
(History of the Development of the Edition of Maps in Russia and  
the USSR) by V. F. Krembol'skiy

PERIODICAL: Geodeziya i kartografiya, 1960, Nr 3, pp 67 - 68 (USSR)

TEXT: This is a book review. The book was published in 1959 by Izdatel'stvo geodeticheskoy literatury (Publishing House for Geodetic Literature). It consists of three chapters, nearly half the book treating of the development of the edition of maps since the October Revolution. The main shortcoming of the book lies in the fact that only 108 pages cover the whole development. A more detailed discussion of problems and methods in connection with the edition of maps is demanded. Some mistakes are enumerated. Ya. G. Knyazev, S. F. Sadchikov, and V. V. Priyazhev are mentioned. There is 1 Soviet reference.

Card 1/1

KOLDAYEV, Petr Konstantinovich; EDEL'SHTEYN, A.V., red.; SHAMAROVA, T.A., red.  
izd-va; VORONOVA, V.V., tekhn.red.

[Use of relief coloring and shading in the delineation and publication  
of maps] Primenenie tsvetovoi i tenevoi plastiki pri oformlenii i  
izdanii kart. Moskva, Izd-vo geodez. lit-ry, 1961. 46 p. (Moscow.  
TSentral'nyi nauchno-issledovatel'skii institut geodezii, aeros"enki  
i kartografii. Trudy, no.140) (MIRA 14:7)  
(Map printing)

KREMPOL'SKIY, Viktor Fedorovich; EDEL'SHTEYN, A.V., red.; KOMAR'KOVA,  
L.M., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Information on cartography for the map-factory worker] Pamiatka po  
kartografii dlia rabocheho kartograficheskoi fabрики. Izd.3., ispr.  
i dop. Moskva, Izd-vo geodez.lit-ry, 1961. 108 p.

(Cartography)

(Maps)

(MIRA 14:6)

S/035/62/000/008/070/090  
A001/A101

AUTHOR: Edel'shteyn, A. V.

TITLE: On a new method of manufacturing positives (negatives) for reproduction of background elements on maps

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 19 - 20, abstract 8Q170 ("Sb. statey po kartogr.", 1961, no. 13, 95 - 100)

TEXT: The author describes, using the work of NRKCh and MIIGA1K as examples, the technique of manufacturing diapositives based on the principle of chemical engraving. The blue contour image is produced from the negative, taken by photographing the composer original, by means of washed-out relief method and using special solutions (1. Photographic gelatin 56 g, ammonium bichromate 15 g, water 1,000 ml; 2. Blue direct dye-stuff 5 g, water 1,000 ml). The dried contour image is shielded with a thin celluloid film and coated with an engraving layer (rosolic acid 5 g, iditol (resin) 5 g, 96% rectified alcohol 100 ml). Then the engraving layer is destroyed, guided by the colored original, with caustic soda solution (caustic soda 20 g, rectified alcohol 10 ml, water 60 ml), at first

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On a new method of...

S/035/62/000/008/070/090  
A001/A101

along the contour of coloring boundaries, and later on also the whole area which is due to subsequent introduction of filling or network by the method of washed-out relief. The introduction of one network (or filling) is completed with coloring (brown dyestuff 40 g, water 1,000 ml), little washing and drying. A new layer is applied without removing the engraving layer from the backing, and necessary operations on imprinting every new network are performed. After accomplishing this, the engraving layer is removed from the surface of the transparent base by a pad soaked with alcohol. ✓

I. Mityachkin

[Abstracter's note: Complete translation]

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EDEL'SHTEYN, Aleksandr Vladimirovich; BARANOV, A.N., red.; KOMAR'KOVA,  
L.M., red. izd-va; ROMANOVA, V.V., tekhn. red.

[Technology of the publication of maps and atlases; a short  
reference book] Tekhnologiya izdaniia kart i atlasov; kratkoe  
spravochnoe posobie. Moskva, Geodezizdat, 1962. 253 p.

(MIRA 15:6)

(Cartography)

EDEL'SHTEYN, A.V.

"Plastics in cartography" by P.A.Ivan'kov, N.F.Smozhenkov. Reviewed  
by A.V.Edel'shtein. Geod. i kart. no.1:75-77 Ja '62.

(Map printing) (Plastics) (Ivan'kov, P.A.) (Smozhenkov, N.F.) (MIRA 15:1)

EDEL'SHTEYN, Aleksandr Vladimirovich; LYSYUK, V.N., red.;  
KOMAR'KOVA, L.M., red.izd-va; ROMANOVA, V.V., tekhn. red.

[How a map is made] Kak sozdaetsia karta. Izd.2. Moskva,  
Gosgeoltekhizdat, 1963. 95 p. (MIRA 17:3)

KREMPOL'SKIY, Viktor Fedorovich; MEKLER, Morits, Maksoyich;  
GINZBURG, Georgiy Aleksandrovich; KOMKOV, A.M., retsenzent;  
EDEL'SHTEYN, A.V., red.; BRAZHNIKOV, V.I., red.izd-va;  
ROMANOVA, V.V., tekhn. red.

[The cartographer's manual] Spravochnik kartografa. Moskva,  
Gosgeoltekhizdat, 1963. 416 p. (MIRA 17:3)

EDEL'SHTEYN, A.V.

One of the ways of reducing the costs of compiling maps. Geod.  
i kart. no.9:52-55 S '63. (MIRA 16:10)

EDEL'SHTEYN, A.V.

Finding substitutes for the wet plate method of photography.  
Geod. i kart. no.3:52-56 Mr '64. (MIRA 17:9)

KREMPOL'SKIY, Viktor Fedorovich; EDEL'SHTEYN, A.V., red.;  
KOMAR'KOVA, L.M., red. izd-va; ROMANOVA, V.V., tekhn. red.

[Instruction on cartography for workers of cartographic  
plants] Pamiatka po kartografii dlia rabochego kartograficheskoi  
fabriki. Izd.3., ispr. i dop. Moskva, Izd-vo geodez.lit-ry,  
1961. 108 p. (MIRA 15:7)

(Cartography)



EDEL'SHTEYN, A. Ya. Cand Geol-Min ~~XXXXXXXX~~ Sci -- (diss) "~~the~~  
Paleozoic Deposits of the Moldavian SSR and the Western Part  
of ~~the~~ Odesskaya (formerly Izmail'skaya) Oblast, ~~to the~~ Ukrainian  
SSR." Mos., 1956. 16 pp 22 cm. (Min of Higher Education USSR,  
Mos Geologic <sup>10</sup>Prospecting Inst im S. Ordzhcnikidze), 100 copies  
(KL, 19-57, 86)

- 4 -

EDEL'SHTEYN, A.Ya.

Upper Silurian deposits of the Moldavian S.S.R. Dop. UN USSR  
no.2:147-151 '56. (MLRA 9:12)

1. Ukrains'ke geologichne upravlinnya. Predstavleno akademikom  
Akademii nauk USSR V.G. Bondarchukom.  
(Moldavia--Geology, Stratigraphic)

EDEL'SHTEYN, A.Ya.

Ripheus sediments in Moldavia. Sov.geol. no.59:185-188 '57.

(MIRA 11:4)

1.Moldavskaya kompleksnaya geologicheskaya ekspeditsiya Ukrainского  
geologicheskogo upravleniya Ministerstva geologii i okhrany nedr SSSR.  
(Moldavia--Geology, Stratigraphic)

EDEL'SHTEYN, A.Ya., Cand Geol Min Sci — (diss) "Paleozoic  
deposits of the <sup>Moldavia</sup>~~Moldavia~~ SSR and the western part of  
~~the~~ <sup>Kyiv</sup>Odesa (formerly Izmail'skaya) Oblast of <sup>the</sup>UKSSR." Mos  
1958, 6 p. (Min of Higher Education USSR. Mos Geol Prospecting  
Inst in S. Ordzhonikidze) 150 copies (KL, R2-58, 114)

- 14 -

**EDEL'SHTEYN, A.Ya.**

Tectonics of the southern part of the Dniester-Prut interfluve.

Izv. vys. ucheb. zav.; geol. i razv. 1 no.4:68-72 Ap '58.

(MIRA 11:12)

1.Upravleniye geologii i okhrany nedr pri Sovets Ministrov.

(Dniester Valley--Geology, Structural)

(Prut Valley--Geology, Structural)

IVANCHUK, P.K.; EDEL'SHTEYN, A.Ya.

Oil and gas potentials of the Moldavian S.S.R. Geol. nafti 2  
no.12:17-22 D '58. (MIRA 12:2)

1. Institut geologii AN Moldavskoy SSR.  
(Moldavia--Petroleum geology)  
(Moldavia--Gas, Natural--Geology)

EDEL'SHTEYN, O.Ya.

Lignite beds in Neocene deposits of the Moldavian S.S.R. and  
Odessa Province in the Ukrainian S.S.R. Geol.zhur. 18 no.6:  
95-99 '58. (MIRA 12:1)  
(Moldavia--Lignite) (Odessa Province--Lignite)

EDEL'SHEIN, A. Ya.

New data on oil and gas resources of the Moldavian S.S.R.  
Geol. zhur. 18 no. 4: 116-118 '58. (MIRA 12:1)  
(Moldavia--Petroleum) (Moldavia--Gas, Natural)



EDEL'SHTEYN, A.Ya.

Tectonic structure of the cis-Dobruja depression. Izv. vys. ucheb.  
zav.; geol. i razv. 2 no.1:23-39 Ja '59. (MIRA 12:10)

1. Geologicheskoye upravleniye pri Sovete Ministrov Moldavskoy  
SSR.

(Dobruja region--Geology, Structural)

EDEL'SHTEYN, A. YA, Cand Geol-Geog Sci — (diss) "Paleozoic  
deposits in the Moldavian SSR and western part of Odessa  
(near the Izmailsk Oblast, Uk SSR),\* Moscow, 1960, 16 pp, 120 cop.  
{Moscow Geological Surveying Institute im S. Ordzhonikidze) (KL, 44-60, 129)

EDEL'SHTEYN, A.Ya.

Distribution of the Silurian in the Eniester-Prut interfluve.  
Izv. AN Mold. SSR. no.4:3-10 '62. (MIRA 18:3)

EDEL'SHTEYN, A.Ya.

Determining the formation time of gas pools, Geol. nefiti i  
gaza 7 no.11:20-22 M. 43. (MIRA 17:8)

1. Institut geologii AN Moldavskoy SSR.